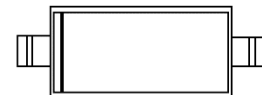


FEATURES AND BENEFITS

Product Summary		
I_{FM}	1A	@25 °C
V_F	0.55V	@1A
V_{RRM}	30V	@25 °C

SOD-123



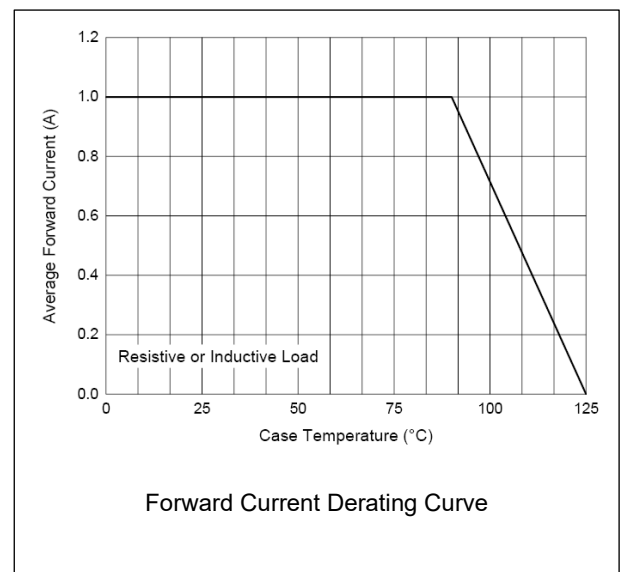
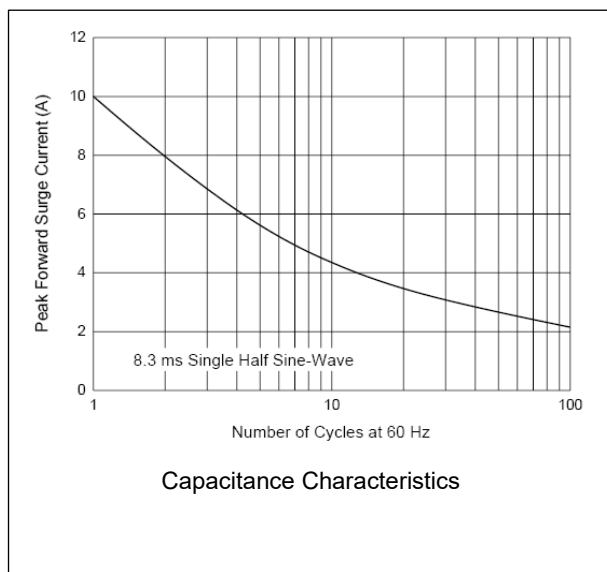
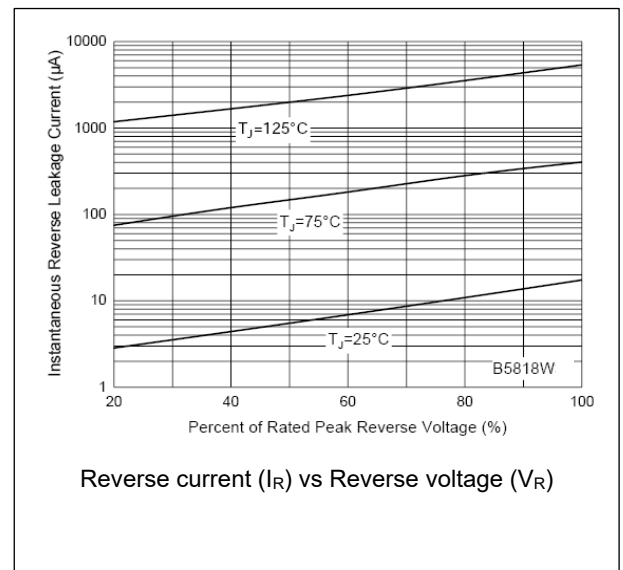
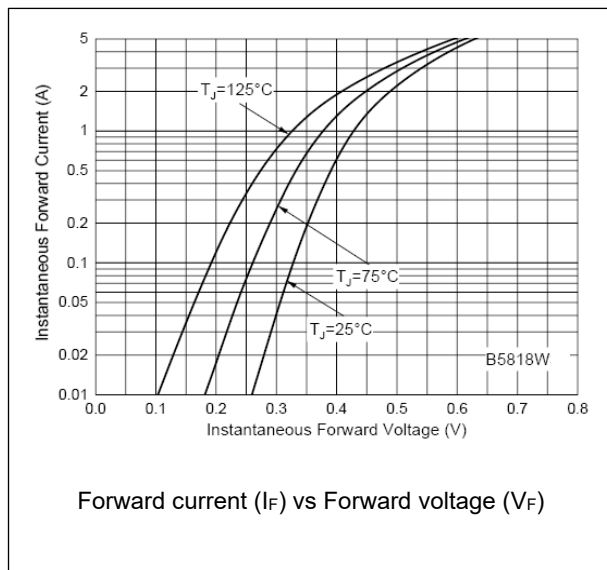
Cathode  Anode

- Low Forward Voltage Schottky Rectifier
- High Frequency Inverters
- RoHS Compliant / Green EMC UL Flammability Classification Rating 94V-0
- Matte Tin (Sn) Lead finish Solderable per MIL-STD-202, Method 208
- Moisture Sensitivity: Level 1 per J-STD-020
- Weight: 0.01 grams (Approximate)

Maximum Ratings (TA = 25 °C unless otherwise noted)			
PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Working Reverse Voltage	V_{RWM}	30	V
Forward Continuous Current	I_{FM}	1	A
Non-Repetitive Peak Forward Surge Current (@t=8.3ms)	I_{FSM}	10	A
Power Dissipation	P_{TM}	500	mW
Junction Temperature	T_J	125	°C
Storage Temperature	T_{STG}	-55 to +125	°C

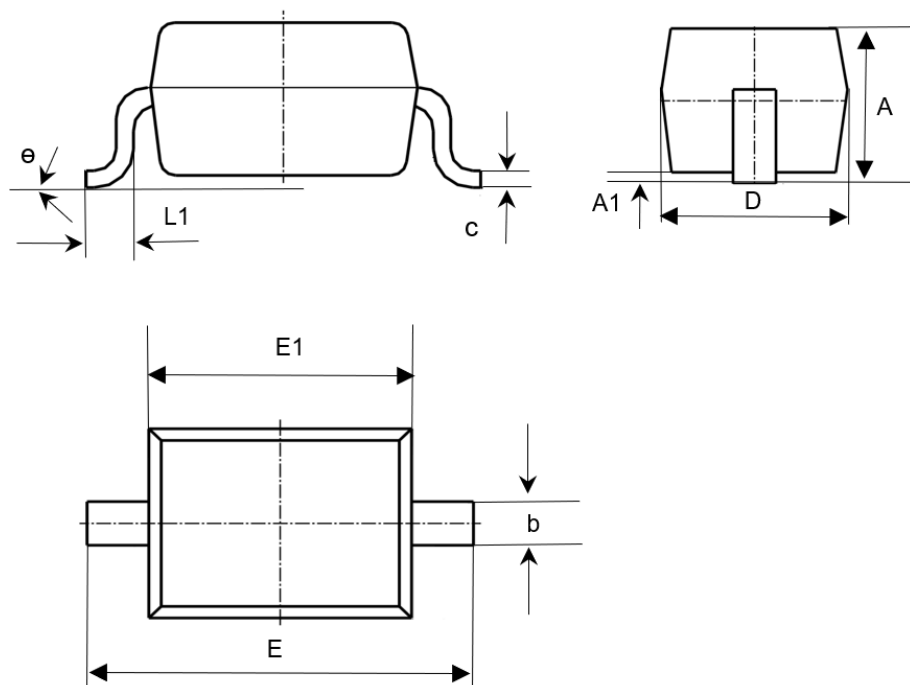
ELECTRICAL CHARACTERISTICS (TA = 25 °C unless otherwise noted)						
PARAMETER	SYMBOL	CONDITION	MIN	TYP	MAX	UNIT
Forward Voltage	V_F	$I_F = 1A$			0.55	V
		$I_F = 3A$			0.875	
Reverse Current	I_R	$V_R = 30V$			1	mA
Capacitance	C_T	$V_R = 4V, f = 1MHz$		120		pF

RATING AND CHARACTERISTICS CURVES



PACKAGE OUTLINE DIMENSIONS

SOD-123



Symbol	MIN	MAX
A	1.05	1.25
A1	0.00	0.10
b	0.45	0.65
c	0.08	0.15
D	1.50	1.70
E	3.55	3.85
E1	2.60	2.80
L1	0.25	0.45
θ	0°	8°
Unit: mm		

SUGGESTED PAD LAYOUT



Symbol	Typ
Q1	3.24
Q	1.0
p	0.8
Unit: mm	

DEVICE MARKING AND ORDERING INFORMATION

DEVICE	Marking	Quantity	Packing
B5818W	SK	3000pcs/7"Reel	Tape & Reel

NOTICE:

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